XR-3320/4420

SERVICE MANUAL

US Model
Canadian Model
E Model

Photo : XR-4420

Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MG-36SZ3-32

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
7 watts (XR-3320) or 8 watts (XR-4420) per channel minimum continuous average power into 4 ohms, 4 channels driven, from 20 Hz to 20 kHz with no more than 1% total harmonic distortion.

Other Specifications

Power amplifier section

Outputs — Speaker outputs (sure seal connectors)
Speaker impedance — 4 – 8 ohms
Maximum power output
XR-3320
20 W × 4 (at 4 ohms)
XR-4420
25 W × 4 (at 4 ohms)

Cassette player section

Tape track — 4-track 2-channel stereo
Frequency response — 30 – 16,000 Hz
Signal-to-noise ratio — XR-3320
55 dB
XR-4420

Dolby B NR / Cassette type	ON	OFF
TYPE I	63 dB	55 dB

Wow and flutter — 0.13% (WRMS)

Tuner section

FM

Tuning range — US, Canadian model : 87.5 – 107.9MHz
E model : 87.5 – 107.9MHz (200kHz step)/ 87.5 – 108MHz (50kHz step)
Antenna terminal — External antenna connector
Intermediate frequency — 10.7 MHz
Usable sensitivity — 8 dBf (75 ohms)
Selectivity — 75 dB at 400 kHz
Signal-to-noise ratio — 65 dB (stereo), 70 dB (mono)
Harmonic distortion at 1 kHz — 0.5% (stereo), 0.3% (mono)
Separation — 35 dB at 1 kHz
Frequency response — 30 – 15,000 Hz
Capture ratio — 2 dB

AM

Tuning range — US, Canadian model : 530 – 1,710kHz
E model : 530 – 1,710kHz (10kHz)/ 531 – 1,602kHz (9kHz)
Antenna terminal — External antenna connector
Intermediate frequency — 450 kHz
Sensitivity — 30 µV

— Continued on page 2 —

使用時は添付資料も参照のこと
Refer to the additional documents

FM/AM CASSETTE CAR STEREO

SONY

【MAIN BOARD】

【KEY BOARD】

LCD701

● WAVEFORMS

Note :

- All capacitors are in μ F unless otherwise noted. pF: μ μ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- % : indicates tolerance.
- ▭ : B+ Line
- ▭ : adjustment for repair.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BACK-UP terminals.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
  〈 〉 : TAPE
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM ⇨ : PB